



Specifications for Permanent Seeding

SITE PREPARATION

- A subsoiler, plow or other implement shall be used to reduce soil compaction and allow maximum infiltration. Maximizing infiltration will help control both runoff rate and water quality. Subsoiling should be done when the soil moisture is low enough to allow the soil to crack or fracture. Subsoiling shall not be done on slip-prone areas where soil preparation should be limited to what is necessary for establishing vegetation.

MULCHING

- The site shall be graded as needed to permit the use of conventional equipment for seedbed preparation and seeding.

SEEDING

- Rosil shall be applied where needed to establish vegetation.

SEEDBED PREPARATION

- Lime-Agricultural ground limestone shall be applied to acid soil as recommended by a soil test. In lieu of a soil test, lime shall be applied at the rate of 100 lb/1,000 sq ft or 2 tons/acre.

- Fertilizer-Fertilizer shall be applied as recommended by a soil test. In lieu of a soil test, fertilizer shall be applied at a rate of 12 lb/1,000 sq ft or 500 lb/acre or 10-10-10 or 12-12-12 analyses.

- The lime and fertilizer shall be worked into the soil with a disk harrow, spring-tooth harrow, or other suitable field implement to a depth of 3 in. On sloping land the soil shall be worked on the contour.

SEEDING DATES AND SOIL CONDITIONS

Seeding should be done March 1 to May 31 or Aug 1 to September 30. These seeding dates are ideal but, with the use of additional mulch and irrigation, seedings may be made any time throughout the growing season. Tillage/seabed preparation should be done when the soil is dry enough to crumble and not form ribbons when compressed by hand. For winter seeding, see the following section on dormant seeding.

DORMANT SEEDING

- Seedings shall not be planted from October 1 through November 20. During this period the seeds are likely to germinate but probably will not be able to survive the winter.

2 The following methods may be used for "Dormant Seeding"

- From October 1 through November 20, prepare the seedbed, add the required amounts of lime and fertilizer, then mulch and anchor. After November 20, and before March 15, broadcast the selected seed mixture. Increase the seeding rates by 50% for this type of seeding.

- From November 20 through March 15, when soil conditions permit, prepare the seedbed, add the required amounts of lime and fertilizer, apply the selected seed mixture, mulch and anchor. Increase the seeding rates by 50% for this type of seeding.

- Apply seed uniformly with a cyclone seeder, drill, cultipacker seeder, or hydroseeder (slurry may include seed and fertilizer) on a firm, moist seedbed.

IRRIGATION

- Permanent seeding shall include irrigation to establish vegetation during dry or hot weather or on adverse site conditions as needed for adequate moisture for seed germination and plant growth.

- Excessive irrigation rates shall be avoided and irrigation monitored to prevent erosion and damage from runoff.

EROSION CONTROL DETAILS

Foresight Engineering Group

Engineers & Surveyors

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320 Center Street, Unit F
Chardon, Ohio 44024

SCALE : NONE

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Specifications for Small Lot Building Sites

- Existing vegetation shall be retained on idle portions of the building lot for as long as construction operations continue. Clearing shall be done so only active working areas are bare.
- Temporary seed (annual rye, oats, etc.) and/or mulch shall be applied to areas, such as stockpiles, that are bare and not actively being worked. This shall apply to areas that will not be reworked for 14 days or more.
- Stockpiles excavated from basements shall be situated away from streets, swales, or other waterways and shall be seeded and/or mulched.
- Mud tracked onto the street or sediment settled around curb inlet protection shall be removed daily or as needed to prevent it from accumulating. It shall be removed by shoveling and scraping and shall NOT be washed off paved surfaces or into storm drains.

Specifications for Temporary Seeding

Temporary Seeding Species Selection

Seeding Dates	Species	lb / 1,000 ft ²	Per Ac
March 1 to August 15	Oats	3	4 bushel
	Tall Fescue	1	40 lb
	Annual Ryegrass	1	40 lb
August 10 to November 1	Perennial Ryegrass	1	40 lb
	Tall Fescue	1	40 lb
	Annual Ryegrass	1	40 lb
November 1 to Spring Seeding	Perennial Ryegrass	1	40 lb
	Tall Fescue	1	40 lb
	Annual Ryegrass	1	40 lb

Note: Other approved seed species may be substituted.

1 Structural erosion- and sediment-control practices such as diversions and sediment traps shall be installed and stabilized with temporary seeding prior to grading the rest of the construction site.

2 Temporary seed shall be applied between construction operations on soil that will not be graded or reworked for 45 days or more. These idle areas should be seeded as soon as possible after grading or shall be seeded within 7 days. Several applications of temporary seeding are necessary on typical construction projects.

3 The seedbed should be pulverized and loose to ensure the success of establishing vegetation. However, temporary seeding shall not be postponed if ideal seedbed preparation is not possible.

4 Soil Amendments--Applications of temporary vegetation shall establish adequate stands of vegetation which may require the use of soil amendments. Soil tests should be taken on the site to predict the need for lime and fertilizer.

5 Seeding Method--Seed shall be applied uniformly with a cyclone seeder, drill, cultipacker seeder, or hydroseeder. When feasible, seed that has been broadcast shall be covered by raking or dragging and then lightly tamped into place using a roller or cultipacker. If hydroseeding is used, the seed and fertilizer will be mixed on site and the seeding shall be done immediately and without interruption.

6 Mulching--Temporary seeding shall include mulch which shall be applied during or immediately after seeding. Seedings made during optimum seeding dates and with favorable soil conditions and on very flat areas may not need mulch to achieve adequate stabilization.

7 Synthetic Binders--Synthetic binders such as Acrylic DLR (Agr-Tec), DCA-70, Petrosel, Terra Tack or equal may be used at rates recommended by the manufacturer.

8 Wood-Cellulose Fiber--Wood-cellulose fiber binder shall be applied at a net dry weight of 750 lb/acre. The wood-cellulose fiber shall be mixed with water and the mixture shall contain a maximum of 50 lb/100 gal.

Permanent Seeding

Seed Mix	Seeding Rate		Notes
	lb/acre	lb/1,000 ft ²	
General Use			
Creeping Red Fescue	20-40	1/2	
Domestic Ryegrass	10-20	1/2	
Kentucky Bluegrass	10-20	1/2	
Tall Fescue	40	1	
Dwarf Fescue	40	1	
Steep Banks or Cut Slopes			
Tall Fescue	40	1	
Crown Vetch	10	1/2	
Tall Fescue	20	1/2	Do not seed later than August
Flat Pea	20	1/2	
Tall Fescue	20	1/2	Do not seed later than August
Road Ditches and Swales			
Tall Fescue	40	1	
Dwarf Fescue	90	2 1/2	
Kentucky Bluegrass	5	1/2	
Lawns			
Kentucky Bluegrass	60	1 1/2	
Perennial Ryegrass	60	1 1/2	
Kentucky Bluegrass	60	1 1/2	
Creeping Red Fescue	60	1 1/2	For shaded areas

Note: Other approved seed species may be substituted.